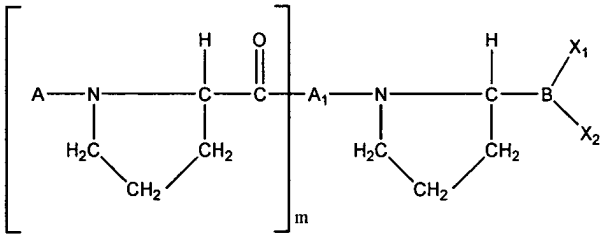
## In the Claims

Please cancel claims 14, 16-21, 28, and 30-63 without prejudice.

Please amend claims 1, 8, and 22 as noted below.

1. (Amended) A method for treating a subject to stimulate hematopoiesis of hematopoietic cells other than mature lymphocytes in the subject, comprising:

administering to a subject in need of such treatment an amount of an agent effective to increase the number of hematopoietic cells ~~or mature blood cells~~ other than mature lymphocytes in the subject, wherein the agent is administered orally in an amount ~~is~~ less than 1 mg/kg body weight per day and wherein the agent is a compound of Formula I:




**Formula I**

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wherein m is an integer between 0 and 10, inclusive; A and $A_1$ are L-amino acid residues such that the A in each repeating bracketed unit can be the same or a different amino acid residue; the C bonded to B is in the L-configuration; the bonds between A and N, $A_1$ and C, and between $A_1$ and N are peptide bonds; and each $X_1$ and $X_2$ is, independently, a hydroxyl group or a group capable of being hydrolyzed to a hydroxyl group in aqueous solution at physiological pH.

2. (Original) The method of claim 1, wherein the subject has an abnormally low level of hematopoietic cells and wherein the agent is administered in an amount effective to restore levels of a hematopoietic cell-type to a preselected normal or protective level.

3. (Original) The method of claim 1, wherein the subject is administered at least two doses of the agent in an 18 hour period.

4. (Original) The method of claim 2, wherein the subject is neutropenic and wherein said amount is effective to restore a preselected normal or protective level of neutrophils.

5. (Original) The method of claim 2, wherein the subject has abnormally low levels of erythrocytes and wherein said amount is effective to restore a preselected normal or protective level of erythrocytes.

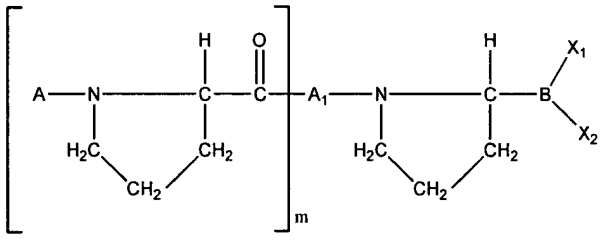
6. (Original) The method of claim 2, wherein the subject has abnormally low levels of platelets and wherein said amount is effective to restore a preselected normal or protective level of platelets.

7. (Original) The method of claims 1, 2, 3, 4, 5 or 6, wherein the agent is ValBoroPro.

8. (Amended) A method for shortening the time that a subject has an abnormally low level of hematopoietic or mature blood cells resulting from treatment with a hematopoietic cell inhibitor, comprising:

administering to a subject in need of such treatment an agent in an amount effective to increase the number of hematopoietic cells or mature blood cells in the subject,

wherein the administration of the agent is prior to or substantially simultaneous with administration of the hematopoietic cell inhibitor, wherein the agent is administered orally in an amount less than 1 mg/kg body weight per day and wherein the agent is a compound of Formula I:




**Formula I**

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wherein m is an integer between 0 and 10, inclusive; A and $A_1$ are L-amino acid residues such that the A in each repeating bracketed unit can be the same or a different amino acid residue; the C bonded to B is in the L-configuration; the bonds between A and N, $A_1$ and C, and between $A_1$ and N

are peptide bonds; and each $X_1$ and $X_2$ is, independently, a hydroxyl group or a group capable of being hydrolyzed to a hydroxyl group in aqueous solution at physiological pH.

9. (Original) The method of claim 8, wherein the administration of the hematopoietic cell inhibitor causes an abnormally low level of hematopoietic cells in the subject and wherein the agent is administered in an amount effective to restore levels of a hematopoietic cell-type to a preselected normal or protective level.

10. (Original) The method of claim 9, wherein the subject is administered at least two doses of the agent in an 18 hour period.

11. (Original) The method of claim 9, wherein the hematopoietic cell inhibitor reduces in the subject neutrophils and wherein the amount is effective to restore in the subject a preselected normal or protective level of neutrophils.

12. (Original) The method of claim 9, wherein the hematopoietic cell inhibitor reduces in the subject erythrocytes and wherein the amount is effective to restore in the subject a preselected normal or protective level of erythrocytes.

13. (Original) The method of claim 9, wherein the hematopoietic cell inhibitor reduces in the subject platelets and wherein the amount is effective to restore in the subject a preselected normal or protective level of platelets.

14. (Canceled).

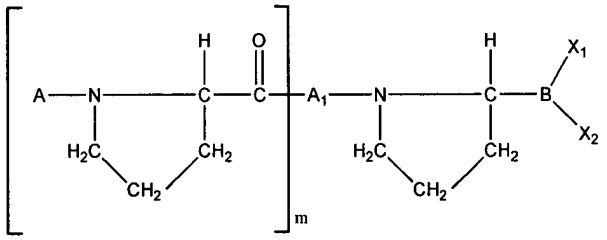
15. (Original) The method of claims 8, 9, 10, 11, 12 or 13, wherein the agent is ValBoroPro.

16-21. (Canceled).

22. (Amended) A method for treating a subject to increase the number of hematopoietic cells other than mature lymphocytes in the subject comprising:

administering to a subject in need of such treatment an amount of an agent effective to increase hematopoietic cells other than mature lymphocytes in the subject,

wherein the agent is administered in a first regimen consisting of 2 doses or 3 doses in an 18 hour period, wherein the agent is administered orally in an amount less than 1 mg/kg body weight per day and wherein the agent is a compound of Formula I:



**Formula I**

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wherein m is an integer between 0 and 10, inclusive; A and $A_1$ are L-amino acid residues such that the A in each repeating bracketed unit can be the same or a different amino acid residue; the C bonded to B is in the L-configuration; the bonds between A and N, $A_1$ and C, and between $A_1$ and N are peptide bonds; and each $X_1$ and $X_2$ is, independently, a hydroxyl group or a group capable of being hydrolyzed to a hydroxyl group in aqueous solution at physiological pH.

23. (Original) The method of claim 22, wherein the agent is administered in a second regimen consisting of 2 doses or 3 doses in an 18 hours period, and wherein, the second regimen is separate in time from the first regimen.

24. (Original) The method of claim 23, wherein the agent is administered in a third regimen consisting of 2 doses or 3 doses in an 18 hours period, and wherein, the third regimen is separate in time from the first and second regimens.

25. (Original) The method of claim 24, wherein the agent is administered in a fourth regimen consisting of 2 doses or 3 doses in an 18 hours period, and wherein, the fourth regimen is separate in time from the first, second, and third regimens.

26. (Original) The method of claim 25, wherein the agent is administered in a fifth regimen consisting of 2 doses or 3 doses in an 18 hours period, and wherein, the fifth regimen is separate in time from the first, second, third and fourth regimens.

27. (Original) The method of claims 22, 23, 24, 25, or 26, wherein the subject has abnormally low neutrophils and, wherein said amount is effective to restore a preselected normal or protective level of neutrophils.

28. (Canceled).

29. (Original) The method of claims 22, 23, 24, 25, or 26, wherein the agent is ValBoroPro.

30-63. (Canceled).